



Teaching Notes

The purpose of an internet scavenger hunt is to teach students the proper use of web search engines. The scavenger hunt can also provide students with an awareness of internet web resources available for research on a particular topic.

A template is provided for the scavenger hunt in this Stewardship Education Resource Kit. This template is derived from a template used in the Spartanburg, South Carolina, school system (<http://www.spa3.k12.sc.us/ScavHunt.html>).

The teacher provides students a list of possible search engines for the students to use (Google, Yahoo, Altavista, etc.) The student should choose a single search engine for the entire scavenger hunt. After the assigned questions are completed, a student may search one question on different search engines and compare results.

Students may work in groups of two to search and answer the scavenger hunt questions. Alternatively, the teacher may assign only one or two questions to each individual student. The student(s) think of two to three words that are key to the topic of the question. These words are printed on the template under the heading "keywords." The teacher can review these keywords before or after search attempts for accuracy and relevancy to the question. If the search results are unsuccessful at providing useful sites to answer the question, the teacher may assist the student in selecting appropriate keywords. The keyword section must be completed before the first search attempt but may be altered with successive searches. The student must keep a list of all web sites visited in search of the answer to the question(s). The URL from the site that provides the answer must be written on the template.

Alternatively, depending on the age and academic level of the students, the teacher may provide the student with the URL that answers the question or provide a list of URLs to visit that provide the answers to the questions.

Fill out the accompanying worksheets providing search engine, keyword(s)/phrases, and URL and description of the web sites that contain the answer to the question.

1. Find 2 photographs of past waste disposal practices.
2. What cities were involved in the development of the Manhattan Project? What was the end product (s) of the Manhattan Project? What war initiated the development of the Manhattan Project?
3. List three environmental advisory boards in Oak Ridge. Locate a current photograph of at least one board.
4. What is the name of the current cleanup plan implemented across the Department of Energy complex nation-wide?
5. List three methods of uranium enrichment. (There are 5 methods of uranium enrichment).
6. Name the current Secretary of Energy. Provide a photograph of the Secretary of Energy. Name the current Assistant Secretary of Energy for Environmental Management.
7. Which department and office(s) within the Department of Energy handle long-term stewardship and legacy waste management? What are the address and phone number of this department and office(s)?
8. Find a timeline for the research and work that has occurred at the Oak Ridge National Laboratory.
9. Who are the three parties involved in the Federal Facilities Agreement for the Oak Ridge Reservation? (Hint: Who signs the modification pages to the Federal Facilities Agreement?)
10. List three events that occurred this month in atomic history.
11. List five Department of Energy sites where cleanup is complete. Give the year these sites closed.
12. What are the mission and function of the Department of Energy's Office of Legacy Management?

Potential Web Sites for the Scavenger Hunt

http://www.bechteljacobs.com/doeclean/_pu-ccp1.html

<http://www.atomicheritage.org/manhattanprojectindex.htm>

<http://www.atomicheritage.org/oakridge.htm>

<http://www.oakridge.doe.gov/overview.htm>

http://www.bechteljacobs.com/ettp_ffa_appendices.shtml

<http://www.ci.oak-ridge.tn.us/lib-html/org/Org80.htm>

<http://www.npr.org/programs/re/archivesdate/2003/feb/trinity/index.html>

<http://www.atomicarchive.com>

http://apps.em.doe.gov/closure/sites_completed_all_opsoffices.cfm

<http://www.lm.doe.gov/index.htm>

<http://www.bechteljacobs.com/doeclean>

<http://www.nrc.gov/reading-rm/doc-collections/fact-sheets/enrichment.html>

http://www.jnfl.co.jp/english/our_business/uranium-enrichment

http://www.csis.org/isp/ppf/040909_presentation.pdf

<http://web.em.doe.gov/timeline>

<http://www.ornl.gov/info/timeline/index.shtml>

http://risk.lsd.ornl.gov/maps/orr/orr_rank.shtml

<http://www.libsci.sc.edu/bob/class/nuclear.htm>

<http://web.ead.anl.gov/uranium/guide/prodhand/index.cfm>

http://www.rff.org/conf_workshops/files/stewardship98.htm

http://www.iiirm.org/conferences/stew_sum.pdf

<http://lts.apps.em.doe.gov/center/stewstudy.html>

<http://ma.mbe.doe.gov/me70/history/photos.htm>

<http://www.digitalarchive.doe.gov>

<http://www.naseo.org/news/images/abraham.jpg>

<http://lts.app.em.doe.gov>

<http://www.gjo.doe.gov/LM/Sept2004>

<http://www.cresp.org/stewardship.html>

<http://www.eli.org/whatsnew/01media/localdoe.htm>

http://www.nesc.wvu.edu/ndwc/articles/OT/SPO2/Env_Advisory_Boards.html

<http://nuclearhistory.tripod.com/doe.html>

http://www.epa.gov/swerffrr/ff/doe_name.htm

<http://web.em.doe.gov/cercla/tll.html>

Question #1

Search Engine _____

Keyword(s) or phrases used to conduct search:

1. _____

2. _____

3. _____

4. _____

5. _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Question #2

Search Engine _____

Keyword(s) or phrases used to conduct search:

1. _____

2. _____

3. _____

4. _____

5. _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Question #3

Search Engine _____

Keyword(s) or phrases used to conduct search:

1. _____

2. _____

3. _____

4. _____

5. _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Question #4

Search Engine _____

Keyword(s) or phrases used to conduct search:

1. _____

2. _____

3. _____

4. _____

5. _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name) _____

Link (name) _____

Successful? Yes _____ No _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name) _____

Link (name) _____

Successful? Yes _____ No _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name) _____

Link (name) _____

Successful? Yes _____ No _____

Question #5

Search Engine _____

Keyword(s) or phrases used to conduct search:

1. _____

2. _____

3. _____

4. _____

5. _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Question #6

Search Engine _____

Keyword(s) or phrases used to conduct search:

1. _____

2. _____

3. _____

4. _____

5. _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Question #7

Search Engine _____

Keyword(s) or phrases used to conduct search:

1. _____

2. _____

3. _____

4. _____

5. _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name) _____

Link (name) _____

Successful? Yes _____ No _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name) _____

Link (name) _____

Successful? Yes _____ No _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name) _____

Link (name) _____

Successful? Yes _____ No _____

Question #8

Search Engine _____

Keyword(s) or phrases used to conduct search:

1. _____

2. _____

3. _____

4. _____

5. _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Question #9

Search Engine _____

Keyword(s) or phrases used to conduct search:

1. _____

2. _____

3. _____

4. _____

5. _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name) _____

Link (name) _____

Successful? Yes _____ No _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name) _____

Link (name) _____

Successful? Yes _____ No _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name) _____

Link (name) _____

Successful? Yes _____ No _____

Question #10

Search Engine _____

Keyword(s) or phrases used to conduct search:

1. _____

2. _____

3. _____

4. _____

5. _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Question #11

Search Engine _____

Keyword(s) or phrases used to conduct search:

1. _____

2. _____

3. _____

4. _____

5. _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name) _____

Link (name) _____

Successful? Yes _____ No _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name) _____

Link (name) _____

Successful? Yes _____ No _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name) _____

Link (name) _____

Successful? Yes _____ No _____

Question #12

Search Engine _____

Keyword(s) or phrases used to conduct search:

1. _____

2. _____

3. _____

4. _____

5. _____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____

Address and brief description of site visited:

URL: http://_____

Link (name) _____

Link (name)_____

Link (name) _____

Successful? Yes _____ No_____